

INTERNATIONAL SEARCH REPORT

Int. Application No
PCT/GB2004/002905

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 C01B39/02 A61K9/14 A61K7/48

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 A61K

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the International search (name of data base and, where practical, search terms used)

EPO-Internal, WPI Data, PAJ, INSPEC, COMPENDEX, BIOSIS, EMBASE, CHEM ABS Data

C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	<p>WEN-XIANG ZHANG ET AL: "REVERSIBLE AND IRREVERSIBLE ADSORPTION OF NITROGEN MONOXIDE ON COBALT ION-EXCHANGED ZSM-5 AND MORDENITE ZEOLITES AT 273-523 K" JOURNAL OF THE CHEMICAL SOCIETY. FARADAY TRANSACTIONS, ROYAL SOCIETY OF CHEMISTRY, CAMBRIDGE, GB, vol. 91, no. 4, 21 February 1995 (1995-02-21), pages 767-771, XP000488283 ISSN: 0956-5000 page 767 page 771, "Conclusions"</p> <p style="text-align: center;">----- -/-</p>	1-14, 26, 27

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

* Special categories of cited documents:

- *A* document defining the general state of the art which is not considered to be of particular relevance
- *E* earlier document but published on or after the International filing date
- *L* document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)
- *O* document referring to an oral disclosure, use, exhibition or other means
- *P* document published prior to the International filing date but later than the priority date claimed

- *T* later document published after the International filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention
- *X* document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone
- *Y* document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.
- *Z* document member of the same patent family

Date of the actual completion of the International search

27 October 2004

Date of mailing of the International search report

10/11/2004

Name and mailing address of the ISA

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	ZHANG, WEN XIANG ET AL: "Removal of nitrogen monoxide on copper ion-exchanged zeolites by pressure swing adsorption" LANGMUIR, vol. 9, no. 9, 1993, pages 2337-2343, XP002302082 the whole document	1,2,4,5, 9-14,26, 30
Y		15-19, 21, 23-26, 28,29,31
X	----- RUDOLF T ET AL: "Adsorption and Desorption Behavior of NO on H-ZSM-5, Na-ZSM-5, and Na-A as Studied by EPR" JOURNAL OF MAGNETIC RESONANCE, ACADEMIC PRESS, ORLANDO, FL, US, vol. 155, no. 1, March 2002 (2002-03), pages 45-56, XP004407819 ISSN: 1090-7807 the whole document	1,2,4,5, 9-12,26, 30
X	----- DATABASE COMPENDEX 'Online! ENGINEERING INFORMATION, INC., NEW YORK, NY, US; SASAKI YUKICHI ET AL: "Effect of iron modification on the adsorption property of nitrogen monoxide on zeolite Y" XP002302084 Database accession no. EIX98204132975 abstract & J CERAM SOC JPN; NIPPON SERAMIKKUSU KYOKAI GAKUJUTSU RONBUNSHI/JOURNAL OF THE CERAMIC SOCIETY OF JAPAN JAN 1998 CERAMIC SOC OF JAPAN, TOKYO, JAPAN, vol. 106, no. 1229, January 1998 (1998-01), pages 79-83,	1,2,4,5, 9-12,26, 27,30
X	----- PAVELIC K ET AL: "Immunostimulatory effect of natural clinoptilolite as a possible mechanism of its antimetastatic ability." JOURNAL OF CANCER RESEARCH AND CLINICAL ONCOLOGY. JAN 2002, vol. 128, no. 1, January 2002 (2002-01), pages 37-44, XP002302085 ISSN: 0171-5216 abstract	1,19,20
X	----- US 2002/054919 A1 (HOCHWALT MARK A ET AL) 9 May 2002 (2002-05-09) claims 18,23 ----- -/-	19,20,22

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

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X	WO 99/30580 A (UPT DR SNYCKERS GMBH ; LELAS TIHOMIR (HR)) 24 June 1999 (1999-06-24) claims 36-40 -----	19,20
Y	WO 95/24908 A (COMEDICUS INC ; US HEALTH (US)) 21 September 1995 (1995-09-21) cited in the application claims 1,20 page 1, line 9 - line 14 page 18, line 18 - line 31 -----	15-19, 21,26, 28,29,31
Y	WO 01/21148 A (KROENCKE KLAUS DIETRICH ; KUHN ANNEGRET (DE); KOLB BACHOFEN VICTORIA ()) 29 March 2001 (2001-03-29) claims 1,2,13 -----	23-25
A	JACK H. LUNSFORD: "Surface interactions of NaY and decationated Y zeolites with nitric oxide as determined by electron paramagnetic resonance spectroscopy" THE JOURNAL OF PHYSICAL CHEMISTRY, vol. 72, no. 12, November 1968 (1968-11), pages 4163-4168, XP002302083 the whole document -----	1-5,9-12

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national application No.
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Box II Observations where certain claims were found unsearchable (Continuation of item 2 of first sheet)

This International Search Report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☒ Claims Nos.:
because they relate to subject matter not required to be searched by this Authority, namely:

Although claims 26-31 are directed to a method of treatment of the human/animal body, the search has been carried out and based on the alleged effects of the compound/composition.
2. ☐ Claims Nos.:
because they relate to parts of the International Application that do not comply with the prescribed requirements to such an extent that no meaningful International Search can be carried out, specifically:
3. ☐ Claims Nos.:
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

Box III Observations where unity of invention is lacking (Continuation of item 3 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

1. ☐ As all required additional search fees were timely paid by the applicant, this International Search Report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this International Search Report covers only those claims for which fees were paid, specifically claims Nos.:
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this International Search Report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

- ☐ The additional search fees were accompanied by the applicant's protest.
- ☐ No protest accompanied the payment of additional search fees.

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WO 0121148 A	29-03-2001	DE 19945484 A1 AU 6997200 A WO 0121148 A1 EP 1216019 A1	05-04-2001 24-04-2001 29-03-2001 26-06-2002